

## RAW SEQUENCE LISTING

DATE: 04/05/2001

PATENT APPLICATION: US/09/813,345

TIME: 12:27:09

Input Set : A:\PTO.txt

Output Set: N:\CRF3\04052001\I813345.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Smith, Derek D.

7 Saha, Shankar

8 Abel, Peter W.

10 (ii) TITLE OF INVENTION: PEPTIDE ANTAGONISTS OF CGRP-RECEPTOR

11 SUPERFAMILY AND METHODS OF USE

13 (iii) NUMBER OF SEQUENCES: 23

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: Muetting, Raasch & Gebhardt, P.A.

17 (B) STREET: 119 North Fourth Street

18 (C) CITY: Minneapolis

19 (D) STATE: MN

20 (E) COUNTRY: USA

21 (F) ZIP: 55401

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

30 (A) APPLICATION NUMBER: US/09/813,345

31 (B) FILING DATE: 20-Mar-2001

32 (C) CLASSIFICATION:

34 (viii) ATTORNEY/AGENT INFORMATION:

35 (A) NAME: McCormack, Myra H

36 (B) REGISTRATION NUMBER: 36,602

37 (C) REFERENCE/DOCKET NUMBER: 180.00020101

39 (ix) TELECOMMUNICATION INFORMATION:

40 (A) TELEPHONE: 612/305-1220

41 (B) TELEFAX: 612/305-1228

44 (2) INFORMATION FOR SEQ ID NO: 1:

46 (i) SEQUENCE CHARACTERISTICS:

47 (A) LENGTH: 29 amino acids

48 (B) TYPE: amino acid

49 (C) STRANDEDNESS: single

50 (D) TOPOLOGY: linear

52 (ii) MOLECULE TYPE: peptide

57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

59	Thr	His	Arg	Leu	Ala	Gly	Leu	Leu	Ser	Arg	Gly	Gly	Met	Val	Lys
60	1			5				10					15		
62	Ser	Asn	Phe	Val	Pro	Thr	Asn	Val	Gly	Ser	Lys	Ala	Phe		
63			20					25							

65 (2) INFORMATION FOR SEQ ID NO: 2:

67 (i) SEQUENCE CHARACTERISTICS:

68 (A) LENGTH: 30 amino acids

69 (B) TYPE: amino acid

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```
70      (C) STRANDEDNESS: single
71      (D) TOPOLOGY: linear
72
73      (ii) MOLECULE TYPE: peptide
74
75      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
76      Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Met Val Lys
77      1          5          10          15
78      Ser Asn Phe Val Val Pro Thr Asn Val Gly Ser Lys Ala Phe
79      20          25          30
80
81      (2) INFORMATION FOR SEQ ID NO: 3:
82      (i) SEQUENCE CHARACTERISTICS:
83          (A) LENGTH: 37 amino acids
84          (B) TYPE: amino acid
85          (C) STRANDEDNESS: single
86          (D) TOPOLOGY: linear
87
88      (ii) MOLECULE TYPE: peptide
89
90      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
91      Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
92      1          5          10          15
93      Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn Val
94      20          25          30
95      Gly Ser Lys Ala Phe
96      35
97
98      (2) INFORMATION FOR SEQ ID NO: 4:
99      (i) SEQUENCE CHARACTERISTICS:
100          (A) LENGTH: 37 amino acids
101          (B) TYPE: amino acid
102          (C) STRANDEDNESS: single
103          (D) TOPOLOGY: linear
104
105      (ii) MOLECULE TYPE: peptide
106
107      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
108      Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
109      1          5          10          15
110      Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val
111      20          25          30
112      Gly Ser Lys Ala Phe
113      35
114
115      (2) INFORMATION FOR SEQ ID NO: 5:
116      (i) SEQUENCE CHARACTERISTICS:
117          (A) LENGTH: 37 amino acids
118          (B) TYPE: amino acid
119          (C) STRANDEDNESS: single
120          (D) TOPOLOGY: linear
121
122      (ii) MOLECULE TYPE: peptide
123
124      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
125      Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
126      1          5          10          15
127      Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
128      20          25          30
129      Gly Ser Lys Ala Phe
130      35
```

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```
158          35
160 (2) INFORMATION FOR SEQ ID NO: 6:
163   (i) SEQUENCE CHARACTERISTICS:
164       (A) LENGTH: 37 amino acids
165       (B) TYPE: amino acid
166       (C) STRANDEDNESS: single
167       (D) TOPOLOGY: linear
169   (ii) MOLECULE TYPE: peptide
174   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
176   Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
177       1          5          10          15
179   Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
180       20          25          30
182   Gly Ser Glu Ala Phe
183       35
185 (2) INFORMATION FOR SEQ ID NO: 7:
187   (i) SEQUENCE CHARACTERISTICS:
188       (A) LENGTH: 37 amino acids
189       (B) TYPE: amino acid
190       (C) STRANDEDNESS: single
191       (D) TOPOLOGY: linear
193   (ii) MOLECULE TYPE: peptide
198   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
200   Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Asp Phe Leu
201       1          5          10          15
203   Ser Arg Ser Gly Gly Val Gly Lys Asn Asn Phe Val Pro Thr Asn Val
204       20          25          30
206   Gly Ser Lys Ala Phe
207       35
209 (2) INFORMATION FOR SEQ ID NO: 8:
211   (i) SEQUENCE CHARACTERISTICS:
212       (A) LENGTH: 37 amino acids
213       (B) TYPE: amino acid
214       (C) STRANDEDNESS: single
215       (D) TOPOLOGY: linear
217   (ii) MOLECULE TYPE: peptide
222   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
224   Gly Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
225       1          5          10          15
227   Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn Val
228       20          25          30
230   Gly Ser Glu Ala Phe
231       35
233 (2) INFORMATION FOR SEQ ID NO: 9:
235   (i) SEQUENCE CHARACTERISTICS:
236       (A) LENGTH: 37 amino acids
237       (B) TYPE: amino acid
238       (C) STRANDEDNESS: single
239       (D) TOPOLOGY: linear
```

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```
241 (ii) MOLECULE TYPE: peptide
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
248 Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
249 1 5 10 15
251 Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asp Val
252 20 25 30
254 Gly Ser Glu Ala Phe
255 35
257 (2) INFORMATION FOR SEQ ID NO: 10:
259 (i) SEQUENCE CHARACTERISTICS:
260 (A) LENGTH: 37 amino acids
261 (B) TYPE: amino acid
262 (C) STRANDEDNESS: single
263 (D) TOPOLOGY: linear
265 (ii) MOLECULE TYPE: peptide
271 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
273 Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
274 1 5 10 15
276 Ser Arg Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val
277 20 25 30
279 Gly Ser Gln Ala Phe
280 35
282 (2) INFORMATION FOR SEQ ID NO: 11:
284 (i) SEQUENCE CHARACTERISTICS:
285 (A) LENGTH: 37 amino acids
286 (B) TYPE: amino acid
287 (C) STRANDEDNESS: single
288 (D) TOPOLOGY: linear
290 (ii) MOLECULE TYPE: peptide
295 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
297 Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
298 1 5 10 15
300 Ser Arg Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val
301 20 25 30
303 Gly Ser Glu Ala Phe
304 35
306 (2) INFORMATION FOR SEQ ID NO: 12:
308 (i) SEQUENCE CHARACTERISTICS:
309 (A) LENGTH: 37 amino acids
310 (B) TYPE: amino acid
311 (C) STRANDEDNESS: single
312 (D) TOPOLOGY: linear
314 (ii) MOLECULE TYPE: peptide
319 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
321 Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Asp Phe Leu
322 1 5 10 15
325 Asn Arg Ser Gly Gly Met Gly Asn Ser Asn Phe Val Pro Thr Asn Val
326 20 25 30
328 Gly Ala Lys Ala Phe
```

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329 35  
331 (2) INFORMATION FOR SEQ ID NO: 13:  
333 (i) SEQUENCE CHARACTERISTICS:  
334 (A) LENGTH: 37 amino acids  
335 (B) TYPE: amino acid  
336 (C) STRANDEDNESS: single  
337 (D) TOPOLOGY: linear  
339 (ii) MOLECULE TYPE: peptide  
344 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
346 Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Asp Phe Leu  
347 1 5 10 15  
349 Ser Arg Ser Gly Gly Met Ala Lys Asn Asn Phe Val Pro Thr Asn Val  
350 20 25 30  
352 Gly Ser Lys Ala Phe  
353 35

355 (2) INFORMATION FOR SEQ ID NO: 14:  
357 (i) SEQUENCE CHARACTERISTICS:  
358 (A) LENGTH: 52 amino acids  
359 (B) TYPE: amino acid  
360 (C) STRANDEDNESS: single  
361 (D) TOPOLOGY: linear  
363 (ii) MOLECULE TYPE: peptide  
368 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
370 Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys  
371 1 5 10 15  
373 Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln  
374 20 25 30  
376 Phe Thr Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser  
377 35 40 45  
379 Pro Gln Gly Tyr  
380 50

382 (2) INFORMATION FOR SEQ ID NO: 15:  
384 (i) SEQUENCE CHARACTERISTICS:  
385 (A) LENGTH: 50 amino acids  
386 (B) TYPE: amino acid  
387 (C) STRANDEDNESS: single  
388 (D) TOPOLOGY: linear  
390 (ii) MOLECULE TYPE: peptide  
395 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
397 Tyr Arg Gln Ser Met Asn Gln Gly Ser Arg Ser Thr Gly Cys Arg Phe  
398 1 5 10 15  
400 Gly Thr Cys Thr Met Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr  
401 20 25 30  
403 Asp Lys Asp Lys Asp Gly Met Ala Pro Arg Asn Lys Ile Ser Pro Gln  
404 35 40 45  
406 Gly Tyr  
407 50

409 (2) INFORMATION FOR SEQ ID NO: 16:  
411 (i) SEQUENCE CHARACTERISTICS:

VERIFICATION SUMMARY

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DATE: 04/05/2001

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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]